

Attachment 1: Add New Level 4 Requirement

Baseline: 12/20/96

L4 id	req_key	rel	req_type	ver_method	ver_status	CCR	clarification	text
<u>F-PAS-10446</u>	<u>new</u>	<u>B</u>	<u>functional</u>	<u>test</u>	<u>un-verified</u>			<u>The FOS shall provide the capability to predict the on-board SSR buffer status based on the science data collection activities scheduled by the users and the contact schedule to be negotiated with the</u>
<u>F-PAS-10447</u>	<u>new</u>	<u>B</u>	<u>functional</u>	<u>demo</u>	<u>un-verified</u>			<u>The FOS shall accept two different types of user-defined parameters for the Communication Contact Scheduler algorithm. The two types are: a. Parameters which specify the desired nature of the schedule. These comprise both discrete values and score profiles b. Parameters which determine the time to run vs. schedule care</u>
<u>F-PAS-10448</u>	<u>new</u>	<u>B</u>	<u>functional</u>	<u>test</u>	<u>un-verified</u>		<u>User specified parameters are listed in F-PAS-10447.</u>	<u>tradeoff for the algorithm. The FOS shall provide a Communications Contact Scheduler algorithm which produces an optimized schedule based on the users'</u>
<u>F-FUI-14005</u>	<u>new</u>	<u>B</u>	<u>functional</u>	<u>demo</u>	<u>un-verified</u>		<u>Notification</u>	<u>with the users. The FOS shall</u>

L4 id	req_key	rel	req_type	ver_method	ver_status	CCR	clarification	text
							<u>via timeline display.</u>	<u>provide notification when a user attempts to schedule science data collection activities that cause overflow of any of the SSR buffers.</u>
F-FUI-14010	<u>new</u>	<u>B</u>	<u>functional</u>	<u>test</u>	<u>un-verified</u>		<u>SSR buffer status information is provided by FOS Analysis subsystem.</u>	<u>The FOS shall provide the capability to display updated SSR buffer status after each unrecoverable data dropout or premature loss of contact.</u>

Attachment 2: Add Missing Attributes

CCR: _____ Baseline: 12/20/96

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
EOC-2200#B	3666	mission critical	FOS	functional	demo	un-verified	demo	<u>un-verified</u>		The EOC shall plan and schedule the management of spacecraft resources that include, at a minimum, the following: a. Spacecraft recorder b. Communications subsystems c. Thermal and power		

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
										subsystems d. SCC-stored command table.		
EOC-2370#B	3681	mission critical	FOS	functional	test	un-verified	test	<u>un-verified</u>		The EOC shall generate TDRSS schedule requests based on the data rate profiles of all the instruments and spacecraft	B: Enhanced functionality provided	
EOC-3024#B	3706	mission critical	FOS	functional	test	un-verified	test	<u>un-verified</u>		subsystems. The EOC shall validate the expected resource usage.		
EOC-6110#B	3767	mission critical	FOS	functional	demo	un-verified	demo	<u>un-verified</u>		The EOC shall provide the capability to monitor and evaluate the spacecraft functions, resources, and performance, including at a minimum the following: a. Stored command		

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
										processing b. Spacecraft recorders c. Safe mode processes d. Electrical power subsystem e. Propulsion subsystem		

Attachment 3: RBR to L4 Links

CCR: _____ Baseline: 12/20/96

RBR id	L4 id
EOC-2200#B	F-PAS-10446
EOC-2530#B	F-PAS-10446
EOC-6110#B	F-PAS-10446
EOC-2370#B	F-PAS-10447
EOC-2370#B	F-PAS-10448
EOC-2530#B	F-FUI-14005
EOC-2200#B	F-FUI-14010
EOC-3024#B	F-FUI-14010
EOC-6110#B	F-FUI-14010

Attachment 4: Add Component to Component Class

CCR: _____ Baseline: 12/20/96

Component paragraph_id	component_type	dev_category	text	CCR
<u>FpRcNCCRqstState</u>	Object	Develop	FOS Object	

Attachment 5: Add L4 to Component Links

CCR: _____ Baseline: 12/20/96

L4 id	component id
F-PAS-10446	FpRcSSRBuffer
F-PAS-10446	FpRcNCCRqstState
F-PAS-10446	FpRcDataRateState
F-PAS-10447	FpCsAppl
F-PAS-10448	FpCsScheduler
F-FUI-14005	FpTISRBufEvent
F-FUI-14005	FpTIGraphVw
F-FUI-14005	FpTIValView
F-FUI-14010	FpTISRBufEvent
F-FUI-14010	FpTIGraphVw
F-FUI-14010	FpTIValView

L4 to It_FOS links will be supplied in a future CCR.